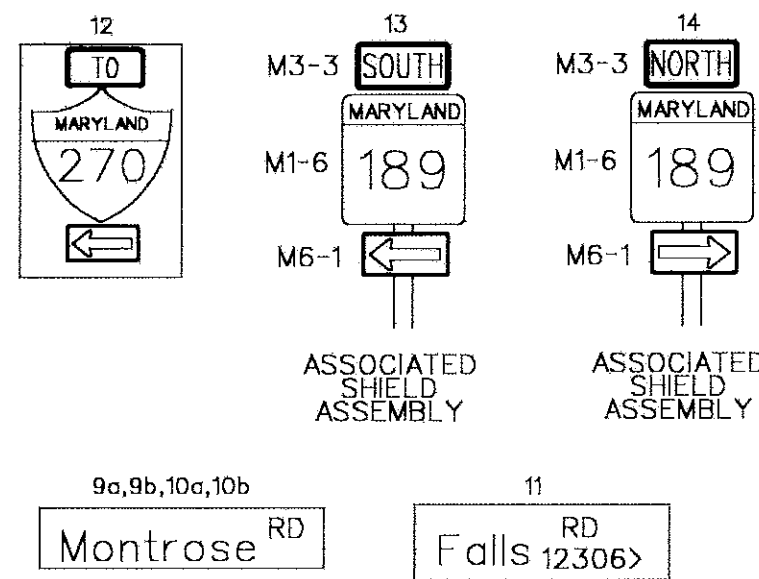
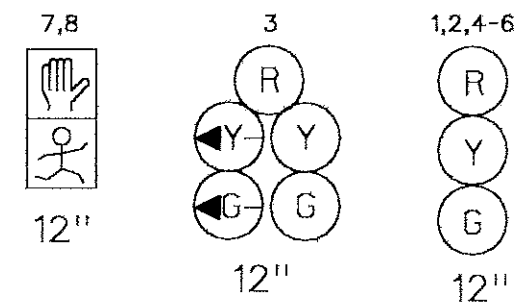


NOTE: MD 189 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

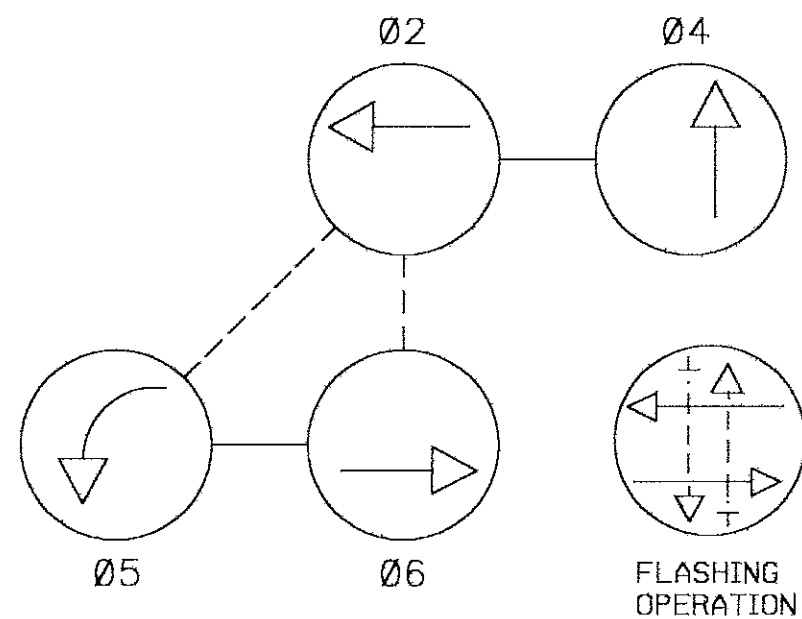
SIGNS



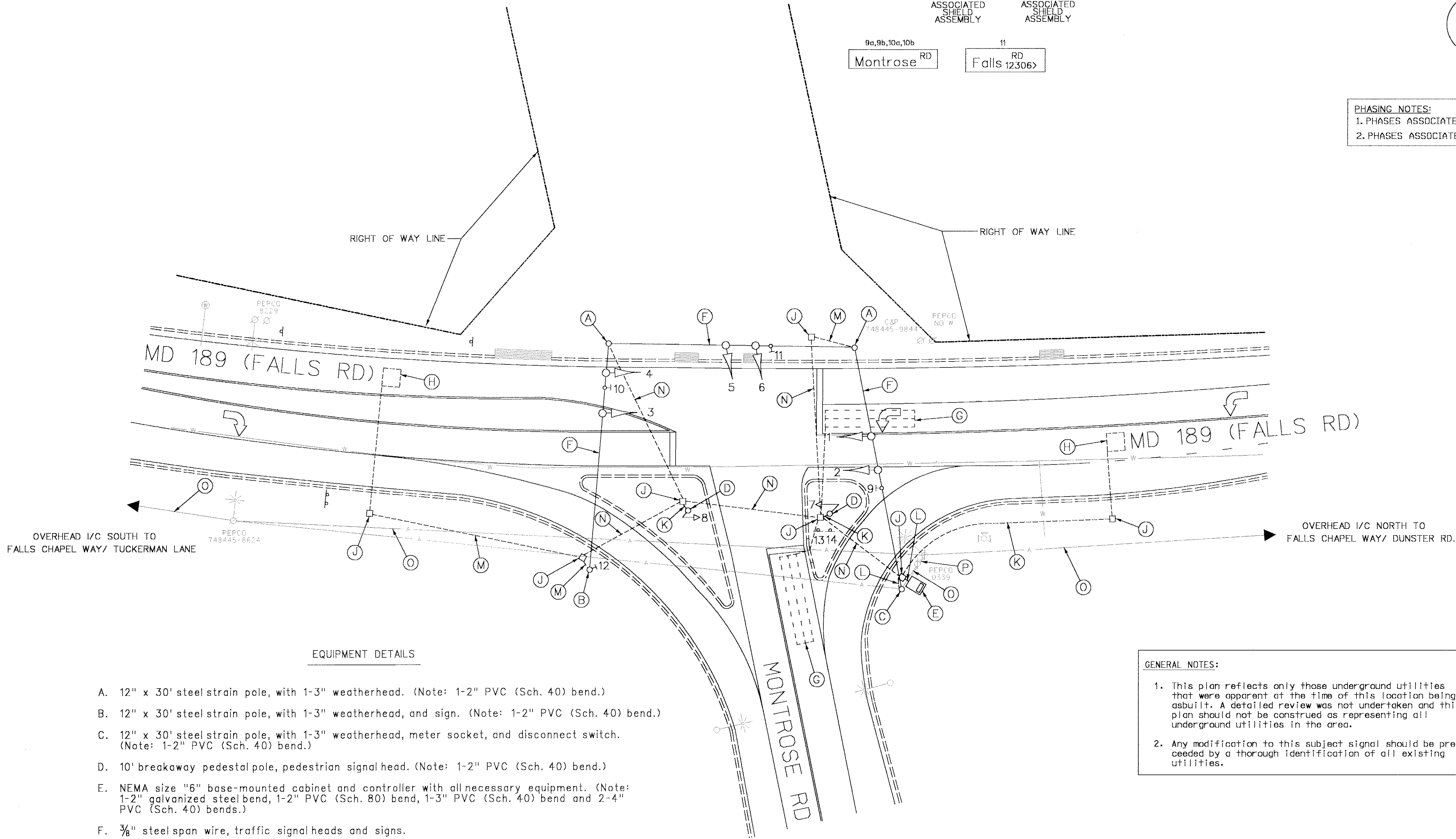
SIGNALS



NEMA PHASING



PHASING NOTES:  
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



EQUIPMENT DETAILS

- A. 12" x 30' steelstrain pole, with 1-3" weatherhead. (Note: 1-2" PVC (Sch. 40) bend.)
- B. 12" x 30' steelstrain pole, with 1-3" weatherhead, and sign. (Note: 1-2" PVC (Sch. 40) bend.)
- C. 12" x 30' steelstrain pole, with 1-3" weatherhead, meter socket, and disconnect switch. (Note: 1-2" PVC (Sch. 40) bend.)
- D. 10' breakaway pedestal pole, pedestrian signal head. (Note: 1-2" PVC (Sch. 40) bend.)
- E. NEMA size "6" base-mounted cabinet and controller with all necessary equipment. (Note: 1-2" galvanized steel bend, 1-2" PVC (Sch. 80) bend, 1-3" PVC (Sch. 40) bend and 2-4" PVC (Sch. 40) bends.)
- F. 3/8" steelspan wire, traffic signal heads and signs.
- G. 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
- H. 6' x 6' loop detector encased in 1/4" flexible tubing (4-turns).
- J. Handhole.
- K. 2" polyvinyl chloride electrical conduit (Sch. 80).
- L. 6" polyvinyl chloride electrical conduit (Sch. 80).
- M. 2" galvanized steel electrical conduit.
- N. 3" galvanized steel electrical conduit.
- O. Overhead interconnect cable.
- P. Overhead electrical service by PEPCO.

GENERAL NOTES:  
1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and this plan should not be construed as representing all underground utilities in the area.  
2. Any modification to this subject signal should be preceded by a thorough identification of all existing utilities.

GEOMETRIC LEGEND

PROPOSED \_\_\_\_\_  
EXISTING \_\_\_\_\_

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

— G — G — GAS MAIN  
— W — W — WATER MAIN  
— S — S — SEWER MAIN  
— E — E — ELECTRIC CABLES  
— A — A — AERIAL CABLES  
— TV — TV — CABLE TV

REVISION "B" ASBUILT

STREET TRAFFIC STUDIES, LTD.  
Gateway International  
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Linthicum, Maryland 21090  
Ph (410) 859-3553  
Fax (410) 859-3579

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REVISIONS		APPROVALS	
		ASST. CHIEF TEDD SECTOR	
		ASST. DISTRICT ENGINEER, TRAFFIC	
		CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
		DIRECTOR, TRAFFIC & SAFETY	
1-20-99	ASBUILT		
SHA NO. M05715176			
RRZ			
A 6-96	REPLACE CONDUIT, LOOPS		
SHA NO. M05715176			
BLOSS			

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
MD 189 AND MONTROSE RD

DRAWN BY: _____	COUNTY: MONTGOMERY	TS NO. 2672 B	SHEET NO. _____
CHECK BY: _____	LOG MILE: 15018905.31	T.I.M.S. NO. _____	OF _____
DATE: _____	F.A.P. NO. _____		
SCALE: 1" = 20'	S.H.A. NO. _____		